

Release Date 10-1-68

CONFIDENTIAL

P-W

CHAMPLIN #1 Navajo-171
NE SE 4-37N-25E, Apache County 455

sl

COUNTY Apache AREA 3½ mi SW Rock Point LEASE NO. 14-20-0603-8430
Navajo

WELL NAME Champlin #1 Navajo-171

LOCATION NW/4 SE/4 SEC 4 TWP 37N RANGE 25E FOOTAGE 1900' FSL 2250' FEL
ELEV 5194 GR 5205 KB SPUD DATE 3-5-68 STATUS P&A TOTAL
COMP. DATE 4-1-68 DEPTH 5268'

CONTRACTOR Cactus Drilling

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY	<u>x</u>
<u>13 3/8</u>	<u>344'</u>	<u>400 sx</u>	<u>NA</u>	DRILLED BY CABLE TOOL	
				PRODUCTIVE RESERVOIR	<u>Wildcat</u>
				INITIAL PRODUCTION	<u>P&A</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
DeChelly	1474'			
Organ Rock	2308'			
Cutler	2729'			
Hermosa	3648'			
Ismay	4088'			
Table Mesa	4499'			
Redwall	4760'			
Elbert	4999'			
Pre-Cambrian	5183'			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>IE, RCS-GR</u>			SAMPLE DESCRP. _____
			SAMPLE NO. <u>ABM Tuc;2097</u>
			CORE ANALYSIS _____
			DSTs _____

REMARKS Designation of operator- Pan American Petroleum Co. to
Champlin Petroleum Company 2-13-68. Apparently No AMST. Log.
1 set of samples to Panam Prod Co. - other to ABM.

APP. TO PLUG x
PLUGGING REP. x
COMP. REPORT x

WATER WELL ACCEPTED BY _____

BOND CO. Travelers Indemnity Company

BOND NO. 1417999

BOND AMT. \$ 5,000

CANCELLED 1-13-69

DATE _____
ORGANIZATION REPORT 10-7-66

FILING RECEIPT 9539

LOC. PLAT x

WELL BOOK x PLAT BOOK x

API NO. 02-001-20077

DATE ISSUED 2-26-68

DEDICATION W/2 SE/4

PERMIT NUMBER 455

(over)

DRILL STEM TEST

No.	FROM	TO	RESULTS

CORE RECORD

[illegible]

REMEDIAL HISTORY

DATE STARTED - COMPLETED		WORK PERFORMED	NEW PERFORATIONS

ADDITIONAL INFORMATION

[illegible]

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG									
DESIGNATE TYPE OF COMPLETION:									
New Well <input type="checkbox"/>	Work-Over <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Same Reservoir <input type="checkbox"/>	Different Reservoir <input type="checkbox"/>	Oil <input type="checkbox"/>	Gas <input type="checkbox"/>	Dry <input checked="" type="checkbox"/>	
DESCRIPTION OF WELL AND LEASE									
Operator Champlin Petroleum Company				Address Box 451, Sidney, Nebraska, 69162					
Federal, State or Indian Lease Number or name of lessor if fee lease Navajo #14-20-0603-8430				Well Number 1		Field & Reservoir Wildcat			
Location NW SE (1900' FSL & 2250' FEL)				County Apache					
Sec. TWP-Range or Block & Survey Sec. 4, T37N, R25E									
Date spudded 3-5-68		Date total depth reached 3-26-68		Date completed, ready to produce dry hole		Elevation (DP, RKB, RT or Gr.) Gr. 5194		Elevation of casing hd. flange 5192	
Total depth 5268		P.B.T.D. 3' below ground		Single, dual or triple completion?		If this is a dual or triple completion, furnish separate report for each completion.			
Producing interval (s) for this completion none				Rotary tools used (interval) 0-5268		Cable tools used (interval)			
Was this well directionally drilled? no		Was directional survey made? no		Was copy of directional survey filed?		Date filed			
Type of electrical or other logs run (check logs filed with the commission) Induction-Electrical - Gamma-Sonic						Date filed			
CASING RECORD									
Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)									
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled			
surface	17-1/2	13-3/8"	48#	344	400 sx	none			
TUBING RECORD									
Size none in.	Depth set ft.	Packer set at ft.	Size in.	Top none ft.	Bottom ft.	Sacks cement	Screen (ft.)		
PERFORATION RECORD									
Number per ft.	Size & type	Depth Interval		ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD			Am't. & kind of material used		
none				none			Depth Interval		
INITIAL PRODUCTION									
Date of first production dry hole		Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump): dry hole							
Date of test	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)			
Tubing pressure	Casing pressure	Cal'd rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio			
Disposition of gas (state whether vented, used for fuel or sold):									
<p>CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>District Operations Manager</u> of the <u>Champlin Petroleum Company</u> (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.</p> <p>Date <u>4-8-68</u> Signature <u>J. F. Rankin</u></p>									
Permit No. <u>Arizona No. 455</u>				<p style="text-align: center;">STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION</p> <p style="text-align: center;">Well Completion or Recompletion Report and Log Form No. 4</p> <p style="text-align: center;">File One Copy</p>					

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
De-Chelly	1474'		
Organ Rock	2308'		
Cutler	2729'		
Hermosa	3648'		
Isma	4088'		
Table Mesa	4499'		
Redwall	4760'		
Elbert	4999'		
Pre-Cambrian	5183'		
Panama group			

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0603-8430	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo Tribal	
2. NAME OF OPERATOR Champlin Petroleum Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 451, Sidney, Nebraska		8. FARM OR LEASE NAME Navajo 171	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface NW-SE (1900' FSL & 2250' FEL) At top prod. interval reported below At total depth		9. WELL NO. 1	
14. PERMIT NO. Arizona 455		10. FIELD AND POOL, OR WILDCAT Wildcat	
DATE ISSUED 2-26-68		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 4, T37N, R25E	
15. DATE SPUNDED 3-5-68		12. COUNTY OR PARISH Apache	
16. DATE T.D. REACHED 3-26-68		13. STATE Arizona	
17. DATE COMPL. (Ready to prod.) dry hole		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* ground 5194'	
19. ELEV. CASINGHEAD 5192'		20. TOTAL DEPTH, MD & TVD 5268'	
21. PLUG, BACK T.D., MD & TVD 3' below ground		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY ROTARY TOOLS 0-5268'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* none	
25. WAS DIRECTIONAL SURVEY MADE no		26. TYPE ELECTRIC AND OTHER LOGS RUN Induction-Electrical - Gamma-Sonic Logs	
27. WAS WELL CORDED no		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
35. LIST OF ATTACHMENTS Induction-Electrical & Gamma Sonic Logs		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records Original Signed by J. F. Rankin SIGNED TITLE Dist. Oprs. Mgr.	

* (See Instructions and Spaces for Additional Data on Reverse Side)

455

INSTRUCTIONS

This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

Not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), for induction and pressure tests, and directional surveys, should be attached hereto to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 21 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

SUMMARY OF POROUS ZONES:				GEOLOGIC MARKERS			
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL DOWN, FLOWING AND SHUT-IN PRESSURES, AND RECORDINGS				NAME			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	
Induction-Electrical & Gamma-Ray Logs				De-Chelly	1474		
				Organ Rock	2308		
				Cutler	2729		
				Hermosa	3648		
				Ismay	4088		
				Table Mesa	4499		
				Redwall	4760		
				Elbert	4999		
				Pre-Cambrian	5183		

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-8430

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo 171

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 4, T37N, R25E

12. COUNTY OR PARISH

Apache

13. STATE

Arizona

14. PERMIT NO.

Arizona No. 455

15. ELEVATIONS (Show whether DF, ST, OR, etc.)

ground 5194

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

SUBSEQUENT REPORT OF:

REPAIRING WELL

ALTERING CASING

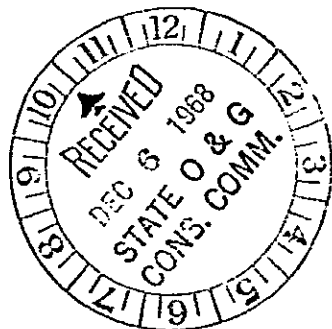
ABANDONMENT*

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Plugged and abandoned as follows:

1. Placed 30 sx cement plug 4825' to 4725'.
2. Placed 30 sx cement plug 4190' to 4090'.
3. Placed 55 sx cement plug 1550' to 1450'.
4. Placed 30 sx cement plug 334' to 294'.
5. Placed 10 sx cement plug 3' to 13' below ground.
6. Installed dry hole marker, cleaned location and closed pits.



RECEIVED

APR 15 1968

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

18. I hereby certify that the foregoing is true and correct

SIGNED J. F. Rankin

TITLE Dist. Oprs. Mgr.

DATE 4-8-68

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OR APPROVALS IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Champlin

#455
#1-171

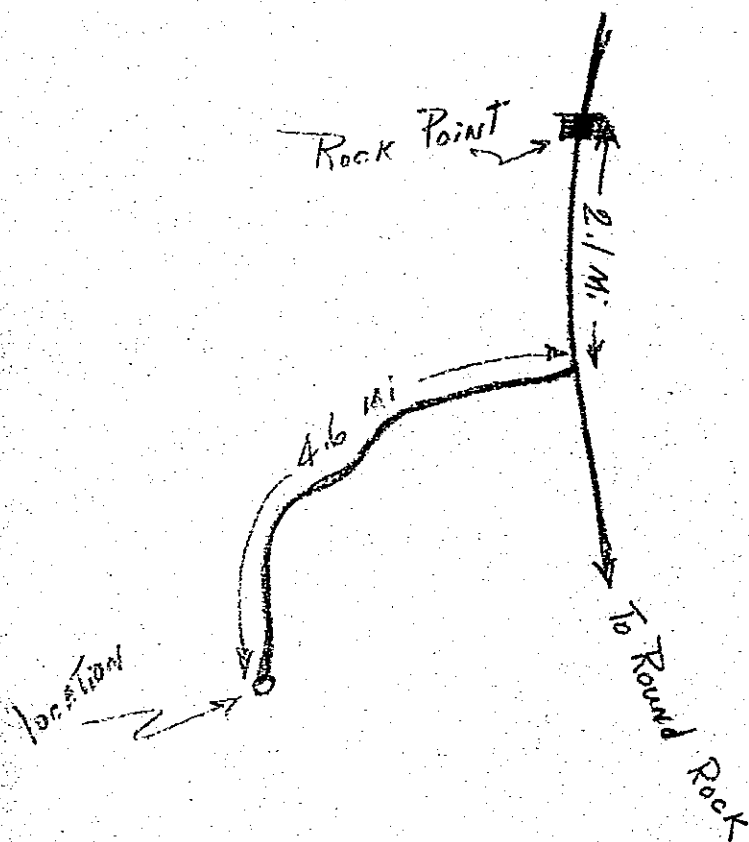
Verbal Permission to plug
3-3D-68

3D SX	4825-4725	(Miss.)
"	4190-4090	(Table Mesa - Perm.)
55 SX	1550-1450	(De Chilly)
3D SX	334-294	(End of 13 3/8" pipe)
1D SX	Surface	

WELL SITE CHECK

Contractor Cactus DRLG. Person(s) Contacted W.A. Hutson (DRLG.)
 Spud date _____ Date 3-28-68
 Type Rig T321 National Rotary Cable ☒ Present Operations Drp to log.
 Samples TAKING 10' smpls (Schlumberger on location)
 Pipe set 13 7/8 @ 334 Drilling with Air _____ Mud ☒ Vis 68
 Water Zones _____ Size Hole 7 7/8 Wt. 9.5
 Lost Circ. Zones _____ Size Drill Pipe 4"
 Formation Tops _____ Type Bit _____
 Cores, Logs, DST No DST; No Core No. Bit 21 Drilling Rate _____
 Formation Top Granite 5260
 Crews FARMINGTON (12 ON, 24 OFF) Lithology TD 5268
11 1/2 to FARM.

REMARKS, PHOTO, MAP



13 WELL NAME CHAMPLIN #1 NAVJ50 171

Permit No. 455
 Confidential: ☒ Yes ☐ No

NAVAJO 171 NO 1

3-29-68

T.D. 5268'. CONTINUED MOVING OIL AROUND DRILL STRING AND WORKING PIPE FOR 3 HRS. RAN FREE POINT. STUCK AT 1670'. BACKED OFF AT 1630'. LEAVING FISH OF 1 - 7-7/8" BIT AND 22 - 5-3/4" DRILL COLLARS. BOTTOM OF FISH 2290'. TOP 1630'. RAN IN HOLE AND SCREWED INTO FISH WITH BOWEN BUMPER SUB, JARS AND 7 DRILL COLLARS. JARRED 3-1/2 HRS, 15,000 LBS. BACKED OFF AND PULLED OUT OF HOLE. RAN BACK AND SCREWED INTO TO FISH WITH TWO BOWEN BUMPER SUB JARS AND 19 DRILL COLLARS. JARRED 6 HRS, 35,000# TO 38,000#. FISH HAS NOT MOVED. MUD 9.1#, 56", 4.2 CC, PH 9, 5% OIL, CHLORIDES 500 PPM.

4-1-68

3-30 T.O. 5268'. BACKED OFF AT 1630'. PULLED OUT OF HOLE. RAN IN HOLE WITH WASH PIPE. WASHED OVER FISH FROM 1630 TO 1672'. PULLED OUT OF HOLE WITH WASH PIPE. RAN IN HOLE WITH BUMPER SUB, JARS AND 13 DRILL COLLARS AND SCREWED INTO FISH. JARRED FISH LOOSE AND PULLED OUT OF HOLE. HOLE CLEAN. GOING IN HOLE TO CONDITION WITH 7-7/8" BIT, 5 - 5-3/4" DRILL COLLAR AND DRILL PIPE. MUD 9.1#, 60", 4.5 CC, PH 9, 3% OIL, CHLORIDES 50 PPM.

3-31 T. D. 5268'. CONDITIONED HOLE 5 HRS. RAN INDUCTION LOG TO 5251 AND GAMMA-SONIC LOG TO 5240'. WAITING ON ORDERS 10 HRS. MUD 9.3#, 85", 4.0 C PH 10, CHLORIDES 500 PPM.

4-1 T.D. 5268'. WAIT ON ORDER 5 HRS. PLUG AND ABANDONED AND RIG RELEASE 4:00 A.M. 4-1-68. FINAL REPORT.

COMPLETED RUNNING IND-ES AND SONIC-GAMMA RAY LOGS.

REMAINING LOG TOPS: TABLE MESA (PENN.) 4500
RATTLESNAKE 4598
MOLAS 4721
REDWALL (MISS.) 4760, PLUS 445
OURAY (DEV.) 4966
ELBERT 4999
MCCRACKEN SS. NOT DEVELOPED
PRE CAMBRIAN 5183
T.D. 5268

LOGS INDICATED: 17 FEET TABLE MESA POROSITY,
16 FEET POROSITY IN LOWER RATTLESNAKE INTERVAL,
AND 6 FEET POROSITY IN BASAL REDWALL.

ALL POROSITY CLC. HIGH PER CENT WATER INDICATING ZONES ARE WATER WET.

CHAMPLIN DNV

MARCH 29, 1968

ATTN: RALPH EDWARDS

ARIZONA

APACHE COUNTY

ROCK POINT AREA

CHAMPLIN NO.1 NAVAJO-171

RAN IND-ES LOG FROM BELOW SURFACE CSG TO 4317.

LOG TOPS: DE CHELLY	1474, PLUS 3731
ORGAN ROCK	2308
CUTLER	2729
HERMOSA	3648
ISMAY	4087
AKAH	4287, PLUS 916

DE CHELLY & AKAH ARE GOOD CORRELATIVE MARKERS. WELL RAN 667 FEET
LOW ON THE DE CHELLY AND 622 FEET LOW ON THE AKAH TO THE PAN AMERICAN
NO.1 NAVAJO TRIBAL-T.

R. W. MALLORY

END DNV

455

CHAMPLIN ENV

SIDNEY CHAMPLIN 3-26-68

TO: R. W. MALLORY

3-26-68

DRILLED 7-7/8" HOLE 5197 TO 5257' (60') QUARTZITE, LIME AND CHERT. MUD
9.2#, 52", 7.3 CC, PH 10.5, CHLORIDES 500 PPM.

TD 5268. PREPARING TO LOG.

SAMPLES 5197-TD. PINK CHERT AND QUARTZITE. DRILLED 15 MINUTES PER
FOOT.

PAN AMERICAN'S DENVER OFFICE SATISFIED THIS IS PRE-CAMBRIAN AND HAS
GIVEN APPROVAL TO LOG.

3-27-68

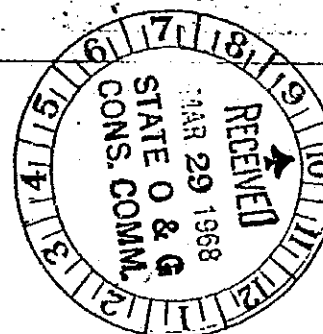
DRILLED 7-7/8" HOLE 5257 TO 5268 T.D. (11') QUARTZITE. ATTEMPTED TO RUN
LOGS. BRIDGES 1026', 1165', 4320'. RAN INDUCTION - ELECTRIC LOG TO 4319.
TRIPPED IN HOLE OPEN ENDED, BRIDGES 3300 AND 5228'. ATTEMPTED TO LOG.
BRIDGE AT 1500'. GOING IN HOLE TO CONDITION HOLE. MUD 9.2#, 53", 7.3 CC,
PH 11, CHLORIDES 500 PPM.

3-28-68

T.D. 5268'. CONDITIONED HOLE 5 HRS. STUCK ON WAY OUT OF HOLE AT 2958'.
STUCK DRILL STRING IN 1-7-7/8" BIT, 29 - 5-3/4" (865') DRILL COLLARS AND
66 JTS. 4" DRILL PIPE. SPOTTED 50 BBLs. DIESEL OIL WITH 100 GALS. PIPELX
DISPLACED AROUND COLLARS AND MOVED 4 BBLs. EACH HR. FOR 10 HRS. AND WORK
ED DRILL PIPE. MUD 9.2#, 65", 4.3 CC, PH 11.
CORRECTION LINE 2 - DRILL STRING IS.

J. F. RANKIN

ENDP



SIDNEY CHAMPLIN 3-20-68

TO: R. W. MALLORY

NAVAJO 171 NO 1

3-20-68

DRILLED 7-7/8" HOLE 4384 TO 4548 (164') LIME AND CHERT. MUD 9.2#, 48",
8 CC, PH 10, CHLORIDES 800 PPM.

3-21-68

DRILLED 7-7/8" HOLE 4548 TO 4656 (110') LIME AND SHALE. MUD 9.1#, 37",
6.5 CC, PH 10, CHLORIDES 800 PPM. DEVIATION 3/4 DEGREES AT 4555'.

CORRECTED SAMPLE TOP TABLE MESA 4460 PLUS 725. EXPECT TOP MISS. AT
4760. TABLE MESA ZONE HAD ESTIMATED 40 FEET OF POROSITY WITH NO
SHOWS. PRESENT DEPTH 4670, DRILLING AHEAD.

3-22-68

SAMPLE TOP OF MISSISSIPPIAN 4775, PLUS 430, 664 FEET LOW TO PAN AM
NO.1 NAVAJO TRIBAL-T.
DRILLING AT 4825 IN LIGHT COLORED OOLITIC LIMESTONE WITH THIN STREAKS
OF POSSIBLE POROSITY. NO SHOWS IN SAMPLES OR GAS DETECTOR.

DRILLED 7-7/8" HOLE 4658 TO 4792 (134') LIME AND SHALE. MUD 9.0#, 38",
5.1 CC, PH 11, CHLORIDES 900 PPM.

3-25-68

20 FT. DRILLING BREAK NEAR BASE REDWALL. N.S.

SAMPLE TOP ELBERT, 5000, PLUS 205, 598' FT. LOW TO THE PAN AMERICAN
NO.1 NAVAJO TRIBAL-T.

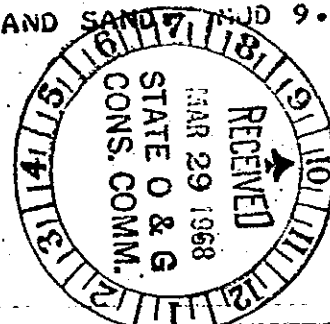
3-23-68 DRILLED 7-7/8" HOLE 4792 TO 4992 (200') LIME AND CHERT. MUD
9.1, 37", 7.3 CC, PH 11, CHLORIDES 450 PPM.

3-24-68 DRILLED 7-7/8" HOLE 4992 TO 5100 (108') LIME AND CHERT. MUD
9.2#, 38", 7.1 CC, PH 7, CHLORIDES 400 PPM. DEVIATION 3/4 DEGREES AT
5000'.

3-25-68 DRILLED 7-7/8" HOLE 5100 TO 5197 (97') LIME AND SAND. MUD 9.1,
41", 5.7 CC, PH 10.5, CHLORIDES 500 PPM.

J. F. RANKIN

END SIDNEY P



NAVAJO 171 NO 1

3-14-68

DRILLED 7-7/8" HOLE 3220' TO 3480', (260') SHALE AND LIME. MUD 9.1#, 36"
8.9 CC, PH 11.9, CHLORIDES 850 PPM. DEVIATIONS 1-3/4 DEGREES AT 3250'.

3-15-68

DRILLED 7-7/8" HOLE 3480 TO 3730, (250') SHALE AND LIME. MUD 9.2#, 32",
10.2 CC, PH 9, CHLORIDES 700 PPM.

SAMPLE TOP HERMOSA, 3647, PLUS 1558, 750 FEET LOW TO THE PAN AMERICAN
NO. 1 NAVAJO TRIBAL-T.

3-18-68

3-16-68 DRILLED 7-7/8" HOLE 3730 TO 3967 (237') SHALE AND LIME. MUD 9.1
LBS, 35", 12.3 CC, PH 9, CHLORIDES 700 PPM. DEVIATION 3/4 DEGREES AT 367

3-17-68 DRILLED 7-7/8" HOLE 3967 TO 4112 (145') LIME AND CHERT. MUD 9.2
LBS, 36", 11.6 CC PH 10, CHLORIDES 700 PPM. DEVIATION 3/4 DEGREES AT 416

3-18-68 DRILLED 7-7/8" HOLE 4112 TO 4218 (106') LIME AND CHERT. MUD 9.2
LBS, 36", 11.6 CC, PH 9, CHLORIDES 700 PPM.

SAMPLE TOP ISMAY, 4140, PLUS 1065, 648 FEET LOW TO PAN AMERICAN NO.1
NAVAJO TRIBAL-T.
EXPECT TABLE MESA (BARKER CREEK) AT 4575.

3-19-68

DRILLED 7-7/8" HOLE 4218 TO 4384 (166') LIME AND CHERT. MUD 9.0#, 36",
6.2 CC, PH 10, CHLORIDES 800 PPM.

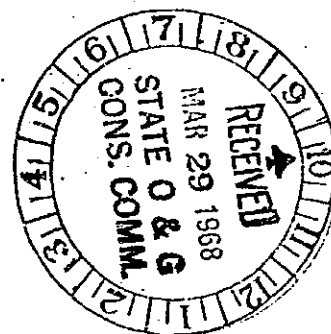
3-20-68

SAMPLE TOP TABLE MESA ZONE 4500, PLUS 705, 671 FEET LOW TO PAN AM,
NO. 1 NAVAJO TRIBAL-T.

TABLE MESA HAD SEVERAL ZONES OF POROSITY INCLUDING TWO INTERVALS OF
4 AND 14 FEET WITH CLEAN CHAETETES LIMESTONE WITH NO SHOWS IN SAMPLES
OR MUD LOGGER.

DRILLING AT 4547.

R. W. MALLORY



3-10 DRILLED 11" HOLE 1619 TO 2316 (697') SAND AND SHALE. MUD 9.2#, 32"
7.6 CC, PH 9.5, CHLORIDES 700 PPM. DEVIATION 1/2 DEGREE AT 2260'.

STD

3-11 DRILLED 11" HOLE 2316 TO 2372 AND 7-7/8" HOLE 2372 TO 2610' (294')
SAND AND SHALE. MUD 9.3#, 36", 6.5 CC, PH 6, CHLORIDES 750 PPM. DEVIATION
1-1/2 DEGREES AT 2370', 2-1/4 DEGREES AT 2580'.

J. F. RANKIN

CHAMPLIN NO. 1 NAVAJO-171

SEC. 4, T 37N, R 25E

SAMPLE TOP DECHELLY, 1602, PLUS 3603, 793 FT. LOW TO PAN AMERICAN

NO. 1 NAVAJO TRIBAL-T, SEC. 20, T 38N, R 27 E.

NAVAJO 171 NO 1

DRILLED 7-7/8" HOLE 2610' TO 2970' (360') SAND AND SHALE. MUD 8.9#, 32",
10 CC, PH 11.5, CHLORIDES 500 PPM. DEVIATION 2 DEGREES AT 2870'.

J. F. RANKIN

3-12-68
ARIZONA

APACHE COUNTY

ROCK POINT AREA

CHAMPLIN NO. 1 NAVAJO-171

SAMPLE TOP ORGAN ROCK, 2300, PLUS 2905, 771 FT. LOW TO PAN AMERICAN

NO. 1 ANAVAJO TRIBAL-T AND CUTLER, 2770, PLUS 2435, 770 FT. LOW TO

PAN AMERICAN NO. 1 NAVAJO TRIBAL-T.

3-13-68

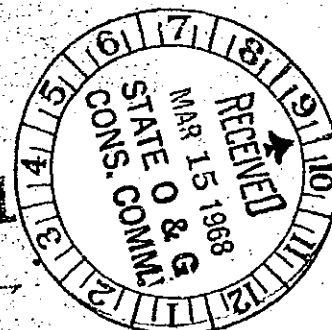
DRILLED 7-7/8" HOLE 2970' TO 3220' (250') SHALE. MUD 9.0#, 36", 9.6 CC,
PH 12, CHLORIDES 700 PPM. DEVIATION 1 DEGREE AT 3034.

J. F. RANKIN

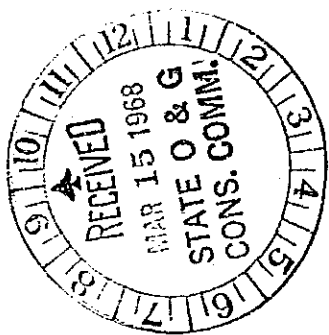
ENDP

CONFIDENTIAL

Date



455
12



ROCK POINT AREA - NAVAJO 171 NO 1

Champlin, No. 1 NAVAJO - 171
Apache County, Arizona

LOCATED: NW SE (1900' FSL & 2250' FEL) SECTION 4, TOWNSHIP 37 NORTH,

RANGE 25 EAST, APACHE COUNTY, ARIZONA. 5600' PRE-CAMBRIAN. CHAMPLIN

100% TO CASING POINT AND 50% PAST CASING POINT. K D B ELEVATION - NOT

YET AVAILABLE. CACTUS DRILLING COMPANY, CONTRACTOR. STAKED 2-7-68.

COMPLETED LOCATION 3-4-68. MOVED IN AND RIGGING UP.

NAVAJO 171 NO 1

KDB ELEVATION 5205'. SPUDDED 10:00 A.M. 3-5-68. DRILLED 12-1/4" HOLE TO
325' SANDSTONE. DEVIATION 1/2 DEGREE AT 215'.

NAVAJO 171 NO 1

DRILLED 12-1/4" HOLE 325 TO 370 (45') SANDSTONE. REAMED 12-1/4" TO 17-
1/2" HOLE TO 335'. SET 13-3/8", 48#, H-40 CASING AT 334'. CEMENTED WITH
300 SKS POZMIX A 50-50 PLUS 4% GEL, 3% CALCIUM CHLORIDE AND 100 SKS REG.
PLUS 3% CALCIUM CHLORIDE. MAXIMUM PUMP PRESSURE 450#. W.O.C. 7 HRS. DEV-
IATION 1/2 DEGREE AT 370'.

J. F. RANKIN

ENDP

NAVAJO 171 NO 1

W.O.C. 5 HRS. DRILLED OUT. DRILLED 11" HOLE 370' TO 750' (380') SD AND
DEVIATION 3/4 DEGREE AT 700'.

J. F. RANKIN

ENDP

3-9- DRILLED 11" HOLE 750' TO 1419, (869') SHALE AND SAND. MUD 9.1#,
36", DEVIATION 1/4 DEGREE AT 1345'.

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Chaplin Petroleum Company

3. ADDRESS OF OPERATOR
P. O. Box 451, Sidney, Nebraska

4. LOCATION OF WELL. (Report location clearly and in accordance with any State requirements.)
At surface NW-38 (1900' FSL & 2250' FSL)

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
2 miles south and 3 miles west Rock Point, Arizona

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drg. unit line, if any)
1900'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.
initial well 5600'

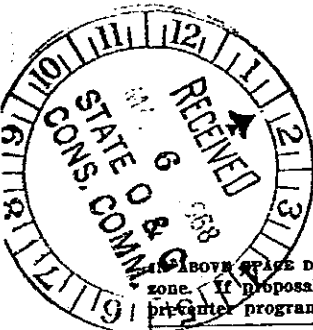
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
ungraded ground 5194'

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13-3/8"	48#	350	450 ac
12 1/4" 2250'	4-1/2"	9.50	5600	125 ac
7-7/8" 5600'				

It is proposed to drill a 5600' Pre-Cambrian well as follows:

1. 13-3/8" O.D. 48# H-40 casing will be set @ approximately 350' and cemented back to surface.
2. 12-1/4" hole to approximately 2250'. & 7-7/8" hole to total depth.
3. In the event of commercial production 4 1/2" O.D. casing will be set through and cement raised above all producing zones.



1. ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED Original Signed by
J. F. Rankin J. F. Rankin TITLE Dist. Oper. Mgr.

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

FEB 2 1968

P. I. McGRATH

DISTRICT ENGINEER

*See Instructions On Reverse Side

RECEIVED

FEB 2 1968

U.S. GEOLOGICAL SURVEY



PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: CHAMPLIN PETROLEUM COMPANY
(OPERATOR)

to drill a well to be known as

Champlin #1 Navajo 171

(WELL NAME)

located 1900 FSL and 2250 FEL (NW SE)

Section 4 Township 37N Range 25E Apache County, Arizona.

The W/2 SE/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled
in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 26th day of February, 19 68.

OIL AND GAS CONSERVATION COMMISSION

By

John Bannister
EXECUTIVE SECRETARY

PERMIT

Nº

455

RECEIPT NO. **9539**

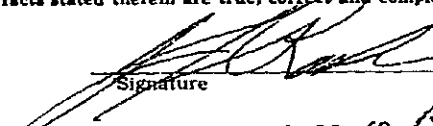
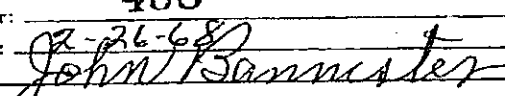
API 02-001-20079

State of Arizona
Oil & Gas Conservation Commission

Permit to Drill

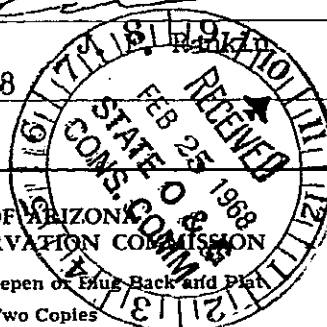
FORM NO. 27

"Forms-when to file" attached

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER			
APPLICATION TO DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RE-ENTER OLD WELL <input type="checkbox"/>			
NAME OF COMPANY OR OPERATOR Champlin Petroleum Company		DATE February 23, 1968	
Box 451		Nebraska	
Address		City State	
DESCRIPTION OF WELL AND LEASE			
Federal, State or Indian Lease Number or name of lessor, if fee lease #11-20-0603-8430		Well number No. 1 Navajo 171	
Well location and acreage dedicated to the well (give footage from section lines) NW-SE (80 acres) 1900' FSL & 2250' FEL		Elevation (ground) Ungraded ground 5194'	
Section—township—range or block & survey 4 37N 25E			
Field & reservoir (if wildcat, so state) Wildcat		County Apache	
Distance, in miles, and direction from nearest town or post office 2 miles south and 3 miles west Rock Point, Arizona			
Nearest distance from proposed location to property or lease line: 1900'		Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: initial well	
feet		feet	
Proposed depth: 5600'		Rotary or cable tools rotary	
Approx. date work will start 2-28-68			
Number of acres in lease: 2560		Number of wells on lease, including this well, completed in or drilling to this reservoir: one	
If lease, purchased with one or more wells drilled, from whom purchased:		Name Address	
Status and amount of bond \$5,000.00		Organization Report On file <input checked="" type="checkbox"/> Or attached <input checked="" type="checkbox"/> yes	
		Filing Fee of \$25.00 Attached <input checked="" type="checkbox"/> yes	
Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)			
<p>It is proposed to drill a 5600' Pre-Cambrian well as follows:</p> <ol style="list-style-type: none"> 1. 13-3/8" O.D. 48# H-40 casing will be set @ approximately 350' and cemented back to surface. 2. 12-1/4" hole to approximately 2250' - 7-7/8" hole to total depth. 3. In the event of commercial production 4-1/2 O.D. casing will be set through and cement raised above all producing zones. 			
*Fill in Proposed Casing Program on reverse side			
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the District Operations Manager of the Champlin Petroleum Company (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.			
Signature 			
Date 2-23-68			
Permit Number: 455		Approval Date: 2-26-68	
Approved By: 		Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.	
See Instruction on Reverse Side of Form		Form No. 3	

API 02-001-20076

(Complete Reverse Side)



1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO X
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES X NO _____. If answer is "yes," Type of Consolidation Operating Agreement
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner Champlin Petroleum Company (operator) 50% Pan American Petroleum Corporation 50%	Land Description T37N, R25E, Sections 3, 4, 9, and 10
----------------------------------------------------------------------------------------------	----------------------------------------------------------

CERTIFICATION

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Name _____

Position _____

Company _____

Date _____

I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

Registered Professional Engineer and/or Land Surveyor _____

Certificate No. _____

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
13-3/8"	48#	H-40 ST&C	0	350	0-350	450 sx
4-1/2"	9.5	J-55 ST&C	0	5600	5200-5600	125 sx

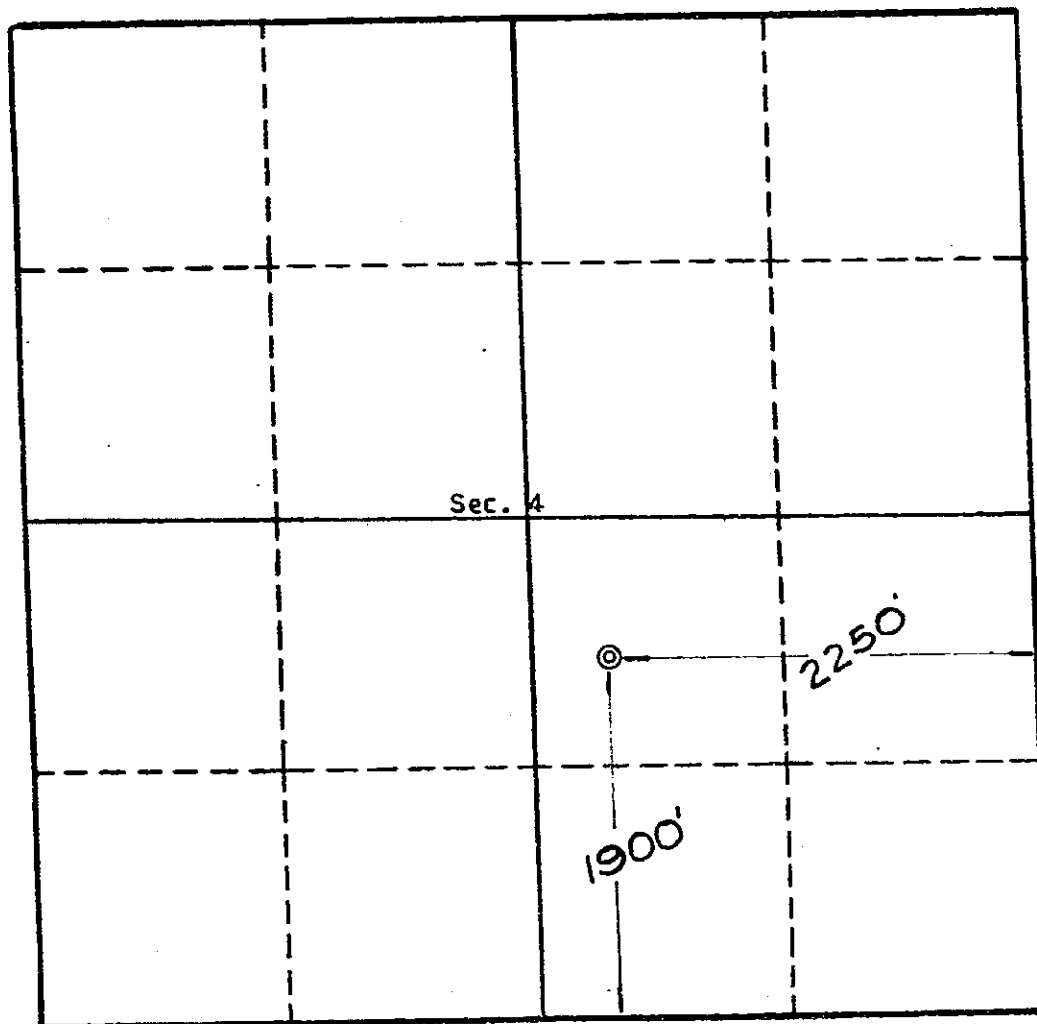
Company CHAMPLIN PETROLEUM COMPANY

Well Name & No. _____

Location 1900 feet from the South line and 2250 feet from the East line.

Sec. 4, T. 37 N., R. 25 E., G. & S. R. M., County Apache, Arizona

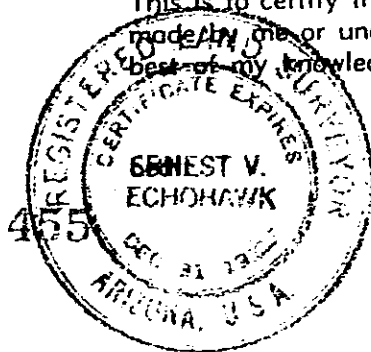
Ground Elevation 5194, estimated, ungraded.



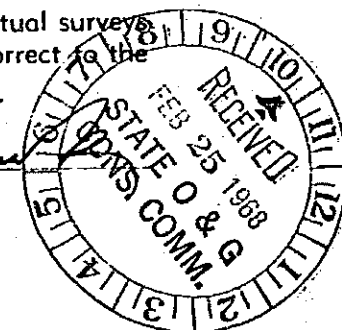
Scale, 1 inch = 1,000 feet

Surveyed February 7, 19 68

This is to certify that the above plot was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Ernest V. Echohawk
Ernest V. Echohawk
Registered Land Surveyor
Arizona Registration No. 2311





Jane Dee Hull
Governor

State of Arizona
Arizona Geological Survey

416 W. Congress, Suite 100
Tucson, Arizona 85701
(520) 770-3500



Larry D. Fellows
Director and State Geologist

October 20, 1997

Mr. Johnny Bennett
Navajo Nations Mineral Dept
P.O. Box 19180
Window Rock, AZ 86515

455

Dear Mr. Bennett:

The information you requested this morning is enclosed. This includes the completion report and plugging record for the Cactus #1 (permit 345), Simmons #1 (permit 435), Champlin #1 (permit 455), and the Riddle & Gottlieb (permit 494). This information shows formation tops, casing depths, test and perforation intervals, and cement plugs.

Sincerely,

Steven L. Rauzi

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures

January 22, 1969

Mr. Norman Sterling, Jr.
Hackstaff & Company
817 - 17th Street
Denver, Colorado 80202

Re: Champlin #1 Navajo 171
T37N, R25E, G & SRM
Sec. 4: NW/4 SE/4
Apache County, Arizona
Permit #455
Bond Number 1417999
Travelers Indemnity Company

Dear Mr. Sterling:

In reference to your inquiry of January 16 concerning the captioned bond, please find enclosed a photocopy of the letter of termination which we sent to Travelers Indemnity Company on January 13.

If we can provide any other information, please do not hesitate to ask.

Yours truly,

James A. Lambert
Administrative Assistant

jf

Enc.

455

HACKSTAFF & COMPANY

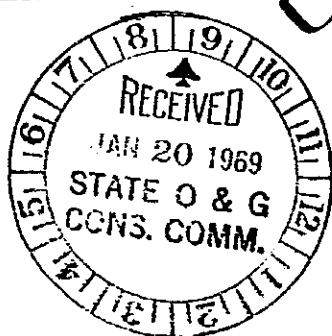
817 - 17th STREET, DENVER, COLORADO 80202

General Insurance

PHONE: 222-0703

January 16, 1969

Oil & Gas Conservation Commission
State of Arizona
1624 W. Adams
Phoenix, Arizona 85007



Re: Bond No. 1417999 - Travelers Indemnity Company
CHAMPLIN PETROLEUM COMPANY Bond for Arizona, Navajo #1-171
Apache County, Arizona

Gentlemen:

Champlin Petroleum Company has informed us the \$5000 bond is not to be renewed, that the test well was a dry hole. Will you please send necessary release that this bond can be cancelled. Thank you.

Very truly yours,

Norman Sterling Jr.
NORMAN STERLING, JR.

/eh

455

January 13, 1969

Mr. Gary F. Chinn
The Travelers Indemnity Company
101 University Boulevard
Denver, Colorado 80206

Re: Champlin #1 Navajo 171
T37N, R25E, G & SRM
Sec. 4: NW/4 SE/4
Apache County, Arizona
Permit #455
Bond Number 1417999

Dear Mr. Chinn:

Records of this office indicate that on 1-13-69 the Champlin Petroleum Company fulfilled its obligation to the State of Arizona as to the requirements pertaining to the captioned well. We authorize termination of the captioned bond effective this date.

Yours truly,

John Bannister
Executive Secretary

JAL:jf

cc: Champlin Petroleum Company
Sidney, Nebraska, and Denver, Colorado

BOND
KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 1417999

That
we: CHAMPLIN PETROLEUM COMPANY
of the _____ in the _____
County of: DENVER State of: COLORADO
as principal,
and THE TRAVELERS INDEMNITY COMPANY
of HARTFORD, CONNECTICUT
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents.

The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas or stratigraphic purposes in and upon the following described land situated within the State, to wit:

#1 Navajo 171 1900 feet from South line - 2250 feet from East line Sec.
(May be used as blanket bond or for single well)
4, Twp. 37N Range 25E G & S R.M. PD 37 Apache County, Arizona

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect.

Penal sum of FIVE THOUSAND AND NO/100-----DOLLARS

Witness our hands and seals, this 12TH day of FEBRUARY 1968

ATTEST

R. L. Walker
ASSISTANT SECRETARY

CHAMPLIN PETROLEUM COMPANY

Jack Henderson
VICE PRESIDENT Principal

Witness our hands and seals, this 12TH day of FEBRUARY 1968

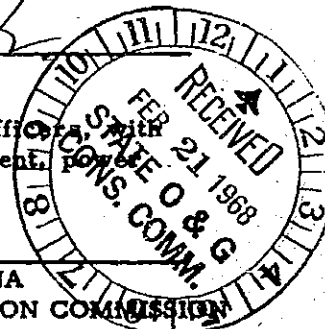
THE TRAVELERS INDEMNITY COMPANY

BY Norman Sterling Jr.
NORMAN STERLING JR., ATTORNEY-IN-FACT

(If the principal is a corporation, the bond should be executed by its duly authorized officer, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved John Bannister
Date 2-28-68

STATE OF ARIZONA
OIL AND GAS CONSERVATION COMMISSION



The Travelers Indemnity Company
Hartford, Connecticut

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS:

That THE TRAVELERS INDEMNITY COMPANY, a corporation of the State of Connecticut, does hereby make, constitute and appoint

____ Norman Sterling, Jr., D. Newland, both of Denver, Colorado, EACH _____

its true and lawful Attorney(s)-in-Fact, with full power and authority, for and on behalf of the Company as surety, to execute and deliver and affix the seal of the Company thereto, if a seal is required, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof, as follows:

____ Any and all bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof not exceeding in amount One Hundred Thousand Dollars (\$100,000) in any single instance _____

and to bind THE TRAVELERS INDEMNITY COMPANY thereby, and all of the acts of said Attorney(s)-in-Fact, pursuant to these presents, are hereby ratified and confirmed.

This appointment is made under and by authority of the following by-laws of the Company which by-laws are now in full force and effect:

ARTICLE IV, SECTION 11. The Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Vice President, any Second Vice President, any Secretary or any Department Secretary may appoint attorneys-in-fact or agents with power and authority, as defined or limited in their respective powers of attorney, for and on behalf of the Company to execute and deliver, and affix the seal of the Company thereto, bonds, undertakings, recognizances, consents of surety or other written obligations in the nature thereof and any of said officers may remove any such attorney-in-fact or agent and revoke the power and authority given to him.

ARTICLE IV, SECTION 13. Any bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Vice President or any Second Vice President and duly attested and sealed, if a seal is required, by any Secretary or any Department Secretary or any Assistant Secretary or when signed by the Chairman of the Board, the President, the Chairman of the Finance Committee, the Chairman of the Insurance Executive Committee, any Vice President or any Second Vice President and countersigned and sealed, if a seal is required, by a duly authorized attorney-in-fact or agent; and any such bond, undertaking, recognizance, consent of surety or written obligation in the nature thereof shall be valid and binding upon the Company when duly executed and sealed, if a seal is required, by one or more attorneys-in-fact or agents pursuant to and within the limits of the authority granted by his or their power or powers of attorney.

This power of attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Directors of THE TRAVELERS INDEMNITY COMPANY at a meeting duly called and held on the 30th day of November, 1959:

VOTED: That the signature of any officer authorized by the By-Laws and the Company seal may be affixed by facsimile to any power of attorney or special power of attorney of certification of either given for the execution of any bond, undertaking, recognizance or other written obligation in the nature thereof; such signature and seal, when so used being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

____ This power of attorney revokes that dated January 24, 1966 on behalf of Norman Sterling, Jr., Helen H. Lavender, both of Boulder, Colorado _____

IN WITNESS WHEREOF, THE TRAVELERS INDEMNITY COMPANY has caused these presents to be signed by its proper officer and its corporate seal to be hereunto affixed this 16th day of November 19 67.



THE TRAVELERS INDEMNITY COMPANY

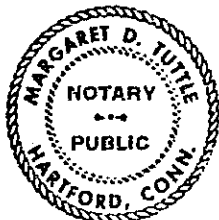
By

G. Roger Wheeler

Secretary, Fidelity and Surety

State of Connecticut, County of Hartford—ss:

On this 16th day of November in the year 1967 before me personally came G. Roger Wheeler to me known, who, being by me duly sworn, did depose and say: that he resides in the State of Connecticut; that he is Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by authority of his office under the by-laws of said corporation, and that he signed his name thereto by like authority.



Margaret D. Tuttle

Notary Public

My commission expires April 1, 1969

CERTIFICATION

I, Wm A. Shrake, Assistant Secretary (Fidelity and Surety) of THE TRAVELERS INDEMNITY COMPANY certify that the foregoing power of attorney, the above quoted Sections 11. and 13. of Article IV of the By-Laws and the Resolution of the Board of Directors of November 30, 1959 have not been abridged or revoked and are now in full force and effect.

Signed and Sealed at Hartford, Connecticut, this

day of

19



Wm A. Shrake
Assistant Secretary, Fidelity and Surety

8-1849 (BACK)

THE TRAVELERS

THE TRAVELERS INSURANCE COMPANY • THE TRAVELERS INDEMNITY COMPANY

CASUALTY-PROPERTY DEPARTMENT
ELSTON K. SMITH, MANAGER
Fidelity and Surety



January 8, 1969

DENVER OFFICE
101 University Boulevard
DENVER, COLORADO 80206
Telephone: 388-6244

State of Arizona
Oil & Gas Conservation Commission
624 West Adams St.
Phoenix, Arizona 85007

Re: Champlin Petroleum Company
Bond Number 1417999
\$5000.00 Oil & Gas Bond
State of Arizona, # 1 Navajo
Apache County, Arizona

Gentlemen:

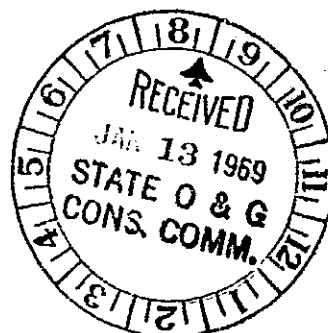
We have been advised that the above Bond is no longer needed. We would appreciate you checking your records and advising us if this Bond can now be cancelled.

We would very much appreciate a response from you at your earliest convenience. Enclosed is a self addressed stamped envelope for your convenience in replying.

Very truly yours,

Gary F. Chinn
Field Supervisor

GFC:mh
Enc:





December 4, 1968

Oil & Gas Conservation Commission
1624 W. Adams, Room 202
Phoenix, Arizona

Attention: Mr. Bannister

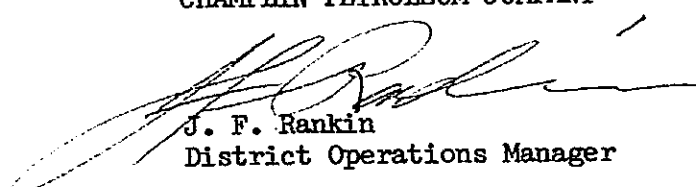
Re: Navajo 171 No. 1
Apache County, Arizona

Gentlemen:

Attached for your records are two approved copies of U.S.G.S. Form 9-331,
"Subsequent Report of Abandonment", for subject well.

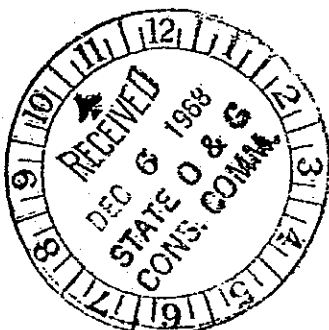
Yours very truly,

CHAMPLIN PETROLEUM COMPANY


J. F. Rankin
District Operations Manager

/rr

atts.



455



April 17, 1968

Mr. John Bannister
Oil and Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix, Arizona 85007

Dear Mr. Bannister:

Thank you for your letter of April 10 concerning sample depositions from the Champlin Petroleum Company #1 Navajo 171 in the NW SE of Section 4, T. 37 N., R. 25 E., Apache County, Arizona. We will forward our set of samples to the Arizona Bureau of Mines as you requested.

In order to simplify procedures you may consider that ~~these samples are not confidential.~~

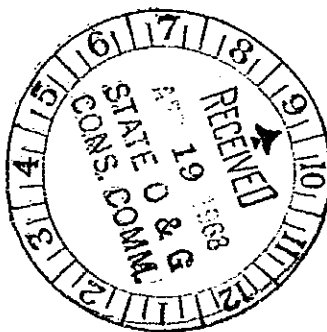
Yours truly,

CHAMPLIN PETROLEUM COMPANY

R. W. Mallory
R. W. Mallory
District Manager

RWM: pam

455



Champlin Oil & Refining Co.

P. O. BOX 451
SIDNEY, NEBRASKA

April 11, 1968

Oil & Gas Conservation Commission
Mr. Bannister
1624 W. Adams, Rm. 202
Phoenix, Arizona

Re: Navajo 171 No. 1
Apache County, Arizona

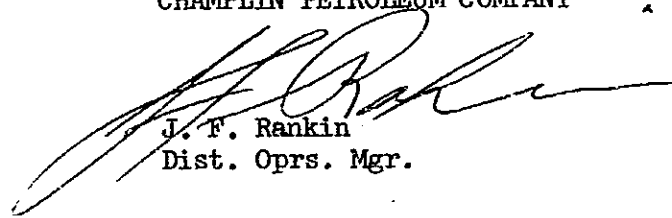
Gentlemen:

Enclosed please find the following paper work in regards to the
subject named well:

1. Well Completion or Recompletion Report and Well Log
(1 copy)
2. U.S.G.S. - Well Completion or Recompletion Report and
Well Log (2 copies)
3. Induction-Electrial Log (2 copies)
4. Borehole Compensated Sonic Log - Gamma Ray (2 copies)

Very truly yours,

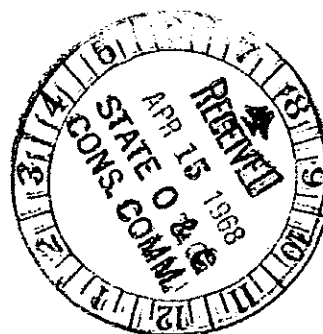
CHAMPLIN PETROLEUM COMPANY


J. F. Rankin
Dist. Oprs. Mgr.

/mew

Encls.

455



April 10, 1968

Champlin Petroleum Company
2501 First National Bank Bldg.
Denver, Colorado 80202

Attention: Mr. R.W. Mallory, District Manager

Re: Champlin #1 Navajo 171
NW SE 4-37N-25E, Apache County, Arizona
Permit 455

Gentlemen:

In reply to your letter of April 5, 1968, it is requested that the samples from captioned well be deposited with Arizona Bureau of Mines. We did request by copy of "Forms-when to file" attached to the permit to drill issued on February 26, 1968, that ten-foot samples be taken.

We note that this hole was drilled tight. If you desire to still retain the confidentiality of the information, it is suggested that these samples be clearly marked as confidential and of course they will be so retained until October 1, 1968.

Very truly yours,

John Bannister
Executive Secretary
mr



April 5, 1968

Oil and Gas Conservation Commission
Room 202
1624 West Adams
Phoenix, Arizona 85007

Gentlemen:

Your letter D-1-68 dated March 1, 1968, regarding well samples and cores has just been forwarded to this office. This company has recently completed the Champlin No. 1 Navajo-171 as a dry hole in Section 4, T. 37 N., R. 25 E., Apache County, Arizona.

Two sample cuts were saved from this well, of which one was delivered to Pan American Petroleum Corporation and the other has been placed in our own sample file in this office.

According to your letter, two sets of samples were required by the State of Arizona, one to be sent to the Bureau of Mines and the other to the Museum of Northern Arizona. Inasmuch as we have only our own set of samples available, please advise if you wish us to ship this set to either of the above departments.

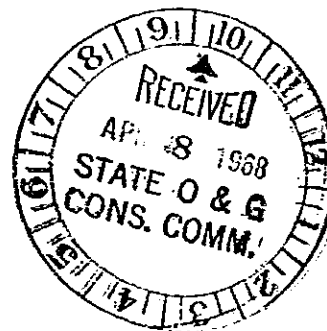
Very truly yours,

CHAMPLIN PETROLEUM COMPANY

R. W. Mallory
R. W. Mallory
District Manager

RWM:ab

cc: John Rankin





April 3, 1968

Mr. James Scurlock
Arizona Oil & Gas Commission
Room 202
1624 West Adams
Phoenix, Arizona

Re: Champlin No. 1 Navajo-171
Sec. 4, T. 37 N., R. 25 E.
Apache County, Arizona

Dear Mr. Scurlock:

Attached is a copy of our daily progress reports on the subject well, March 29 through April 1, 1968, when the well was plugged and abandoned at a total depth of 5868 feet.

Very truly yours,

CHAMPLIN PETROLEUM COMPANY

R. W. Mallory
R. W. Mallory
District Manager

RWM:ab
Att.

cc: K. N. Houlette





March 28, 1968

Mr. James Scurlock
Arizona Oil & Gas Commission
Room 202
1624 West Adams
Phoenix, Arizona

Re: Champlin No. 1 Navajo-171
Sec. 4, T. 37 N., R. 25 E.
Apache County, Arizona

Dear Mr. Scurlock:

Pursuant to Mr. Sakowski's letter to you of March 14, attached is a composite sheet of our daily progress reports on the subject well from March 14 through March 28. We are sorry we failed to send this to you on a weekly basis, as stated in Mr. Sakowski's letter, but will do so in the future.

Also as stated in Mr. Sakowski's letter, we still desire to keep information on the well tight and will appreciate your cooperation.

Very truly yours,

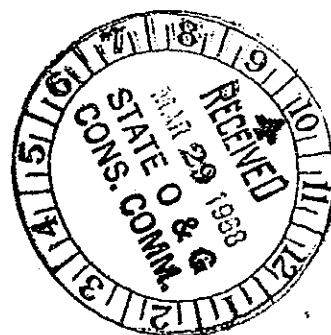
CHAMPLIN PETROLEUM COMPANY

R. W. Mallory
R. W. Mallory
District Manager

RWM:ab
Attachment

cc: K. N. Houlette

455





March 14, 1968

Mr. James Scurlock
Arizona Oil & Gas Commission
Room 202
1624 West Adams
Phoenix, Arizona

Re: Champlin No. 1 Navajo-171
Apache County, Arizona

Dear Jim:

Attached is a composite report sheet on our daily progress of Champlin's current No. 1 Navajo-171. We shall send you similar reports on a weekly basis until the well is completed.

As we discussed on the telephone, we desire to keep information on the well tight, and would appreciate your cooperation in this regard.

Very truly yours,

CHAMPLIN PETROLEUM COMPANY

H. A. Sakowski
H. A. Sakowski

HAS:ab
Attachment

cc: R. W. Mallory
K. N. Houlette



455

Champlin Oil & Refining Co.

P. O. BOX 451
SIDNEY, NEBRASKA

Febr. 23, 1968

Oil & Gas Conservation Commission
Mr. Bannister
1624 W. Adams, Rm. 202
Phoenix, Arizona

Re: Navajo 171 No. 1

Dear Sir:

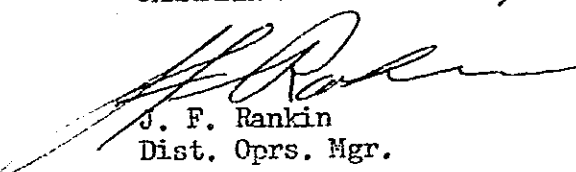
Enclosed please find the following paper work in regards to the subject named well:

1. Application For Permit To Drill, Deepen, Plug Back, or Re-Enter. (9 copies)
2. Location Plat
3. 1 check for \$25.00 covering filing fee
4. 1 receipt for above check

If the proposed work meets with your approval, please execute and return seven approved copies of Form No. 3 and the receipt for the check to this office.

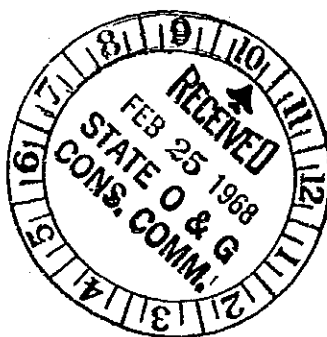
Very truly yours,

CHAMPLIN PETROLEUM COMPANY


J. F. Rankin
Dist. Oprs. Mgr.

/new

Encls.



455



February 20, 1968

Re: Drilling Bond - \$5,000.00
No. 1417999
Travelers Indemnity Company

Oil and Gas Conservation Commission
State of Arizona
1624 West Adams
Phoenix, Arizona 85007

Attention: John Bannister

Gentlemen:

Enclosed is a \$5,000.00 drilling bond, No. 1417999,
required in connection with Champlin's proposed well located
1900 feet from South line, 2250 feet from East line of Section 4,
T. 37 N., R. 25 E., G&SRM, PD 37, Apache County, Arizona, to
be the #1 Navajo 171.

Very truly yours,

CHAMPLIN PETROLEUM COMPANY

H. D. Carter
District Landman

/au
encl. - Bond





February 14, 1968

Re: Designation of Operator
Navajo contract 14-20-0603-8430
Township 37 North, Range 25 East
Sec. 3: All Sec. 9: All
Sec. 4: All Sec. 10: All
Apache County, Arizona

Oil and Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix, Arizona 85007

Attention: Mr. John Bannister

Gentlemen:

Enclosed herewith in duplicate is a Designation of Operator executed by Pan American Petroleum Corporation, designating Champlin Petroleum Company as Operator. We believe this instrument is in proper order; however, if any questions arise, please advise me.

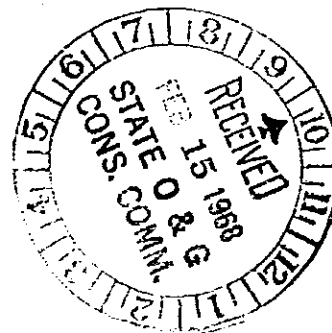
Very truly yours,

CHAMPLIN PETROLEUM COMPANY

H. D. Carter
H. D. Carter
District Landman

/au
encls.

cc: B. F. Pracko
Pan American Petroleum Corporation
Security Life Building
Denver, Colorado 80202



455



February 14, 1968

Re: Designation of Operator
Navajo contract 14-20-0603-8430
Township 37 North, Range 25 East
Sec. 3: All Sec. 9: All
Sec. 4: All Sec. 10: All
Apache County, Arizona

Oil and Gas Conservation Commission
State of Arizona
Room 202
1624 West Adams
Phoenix, Arizona 85007

Attention: Mr. John Bannister

Gentlemen:

Enclosed herewith in duplicate is a Designation of Operator executed by Pan American Petroleum Corporation, designating Champlin Petroleum Company as Operator. We believe this instrument is in proper order; however, if any questions arise, please advise me.

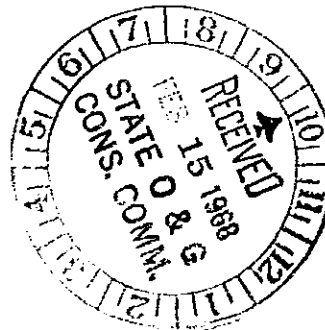
Very truly yours,

CHAMPLIN PETROLEUM COMPANY

H. D. Carter
H. D. Carter
District Landman

/au
encls.

cc: B. F. Pracko
Pan American Petroleum Corporation
Security Life Building
Denver, Colorado 80202



455

DESIGNATION OF OPERATOR

The undersigned is the record holder of Lease: 14-20-0603-8430
(Number or name of lease and description of entire lease acreage)
Navajo Tribal, Contract 14-20-0603-8430, Apache County, Arizona
All of Sections 3, 4, 9, and 10, T. 37 N., R. 25 E.

and hereby designates

Name: CHAMPLIN PETROLEUM COMPANY
Address: 2501 First National Bank Building
Denver, Colorado 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and all regulations, whether Federal, Indian, State, or local, applicable thereto and on whom may be served written or oral instructions in securing compliance with all the applicable lease terms, and rules and regulations of the Oil and Gas Conservation Commission, State of Arizona, with respect to:

(Describe only the acreage to which this designation applies)

Township 37 North, Range 25 East

Section 3: All Section 9: All
Section 4: All Section 10: All

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and with all the applicable rules and regulations of the Oil and Gas Conservation Commission, State of Arizona. It is understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the record holder of the lease remains primarily responsible for and will make full and prompt compliance with all applicable lease terms, the rules and regulations of the Oil and Gas Conservation Commission, State of Arizona, or orders of other appropriate regulatory governmental agencies.

The lessee agrees promptly to notify all proper authorities and appropriate regulatory governmental agencies on any change in the designated operator.

The designated operator agrees to promptly notify all proper authorities of any change of his address during the period in which this designation of operator is in force. PAN AMERICAN PETROLEUM CORPORATION

Feb. 13, 1968
(Date)

By: T. S. Yancey
T. S. Yancey Lessee/Its Attorney-In-Fact

Feb. 14, 1968
(Date)

W. S. Carter
Designated Operator
CHAMPLIN PETROLEUM COMPANY

(If this Designation of Operator applies to a State of Arizona Oil and Gas Lease, copy of this designation of operator must be filed with the State Land Department.)